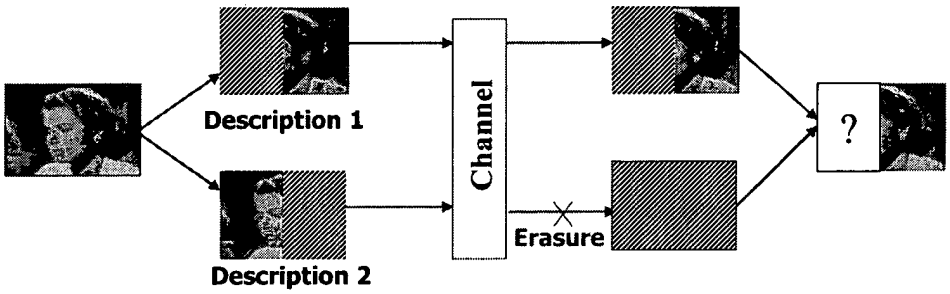
- Solution 1 (No Error Resilience) :



- Solution 2 (With Error Resilience) :

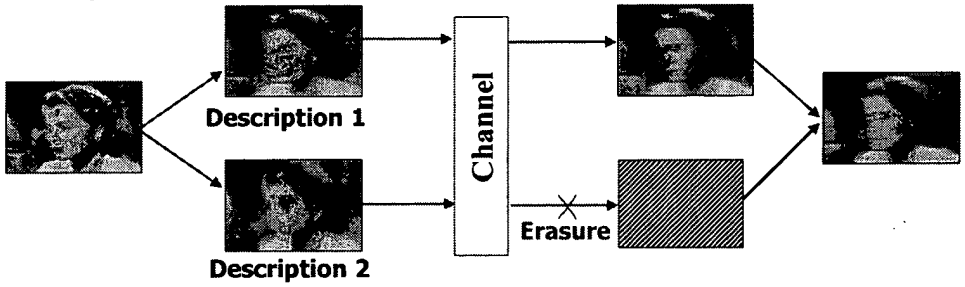


Figure 1

- X is frame to be encoded, P is
  - Decoder has one of 3 possible predictions
    - P_0 if both Channels received for P
    - P_1 if only Channel 1 received, P_2 if only Channel 2 received

- $(X-P_0)$ ⊗ $(X-P_1)$ ⊗ $(X-P_2)$ (Residual of Residual Technique)
  - Send which residual ?

Figure 2

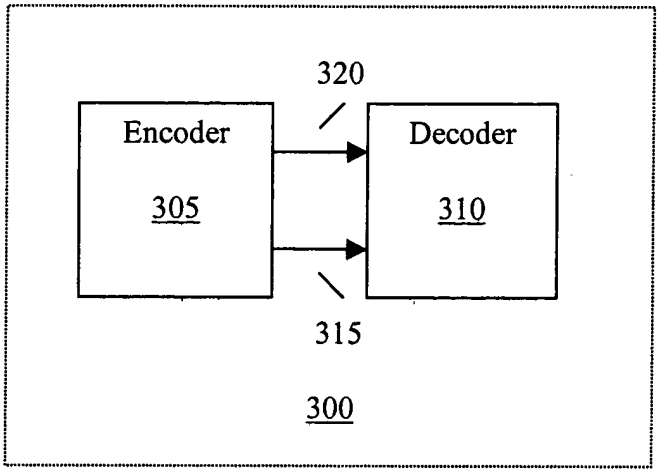


Figure 3

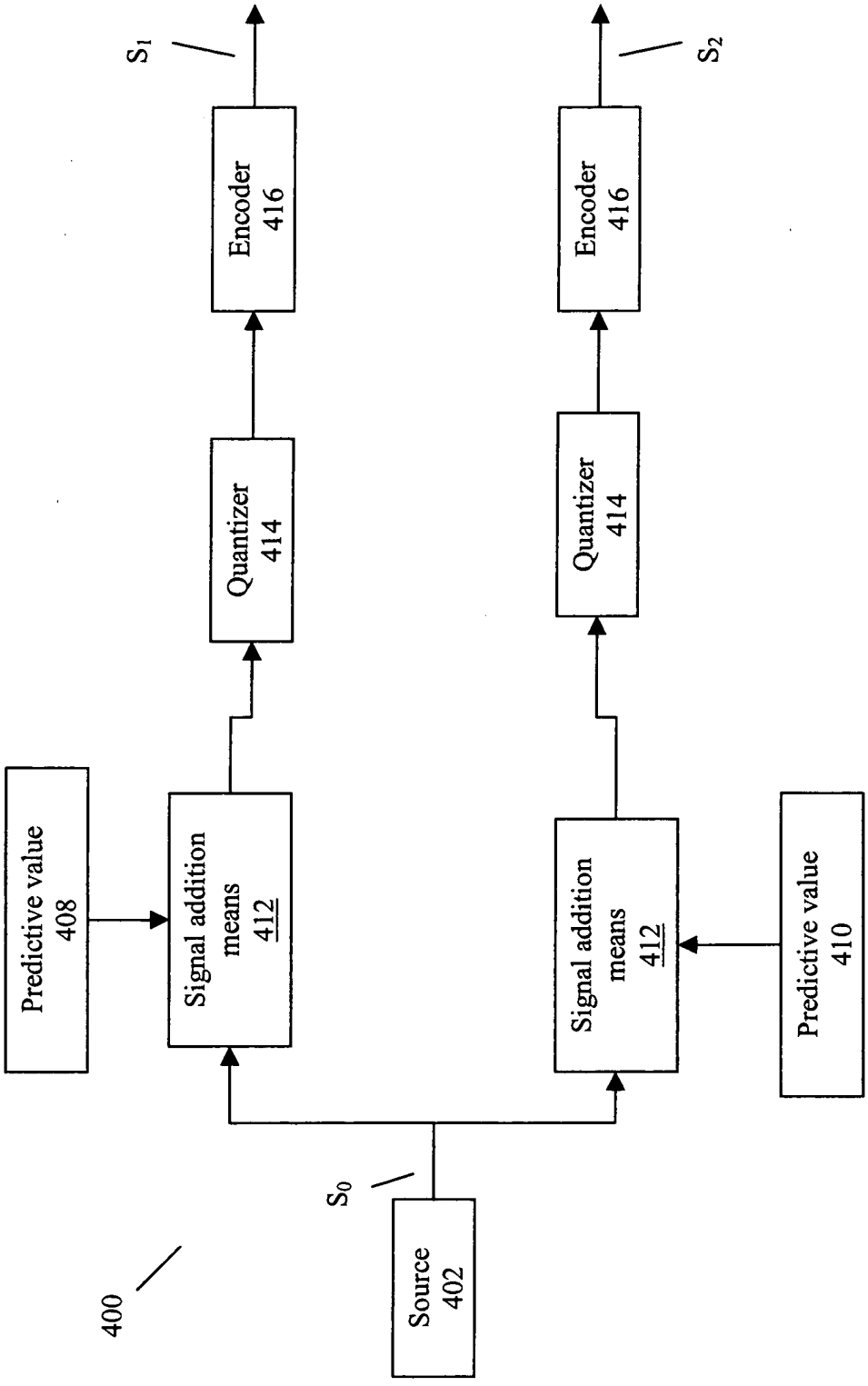

400
Source 402
S_0
Predictive value 408
Signal addition means 412
Quantizer 414
Encoder 416
S_1
Predictive value 410
Signal addition means 412
Quantizer 414
Encoder 416
S_2

Figure 4

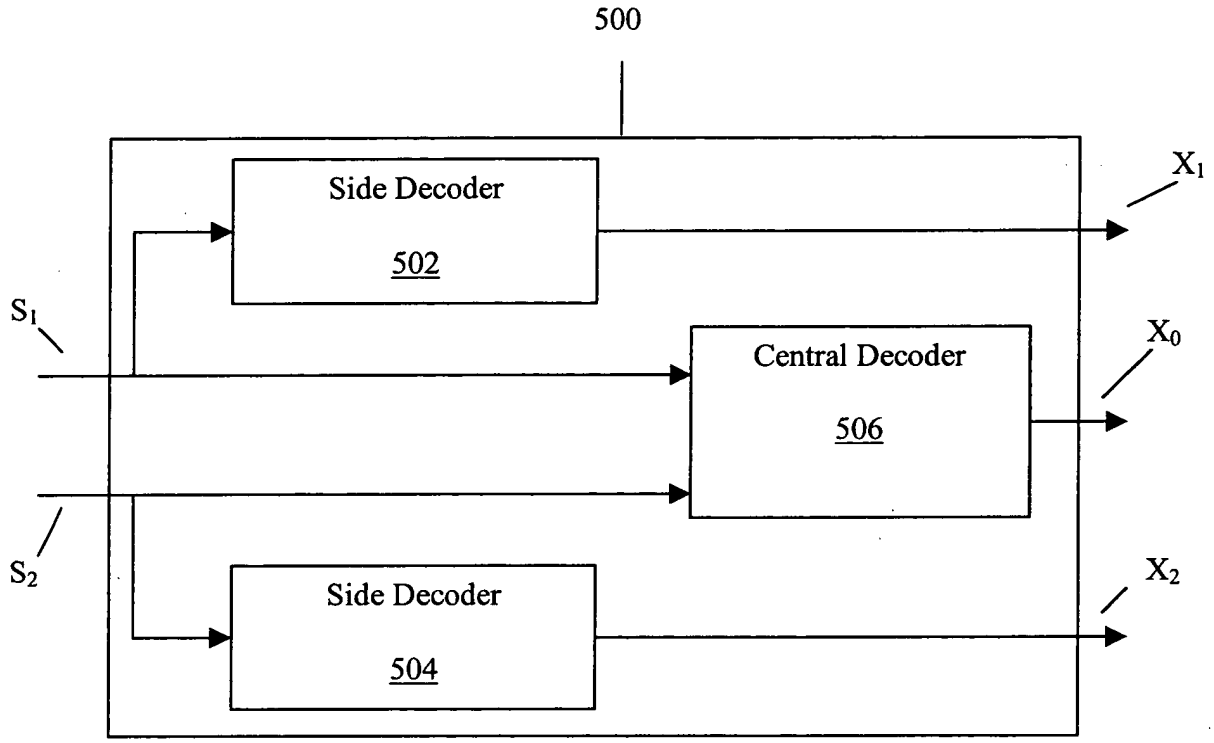

500
Side Decoder
502
Central Decoder
506
Side Decoder
504
S_1
S_2
X_1
X_0
X_2

Figure 5

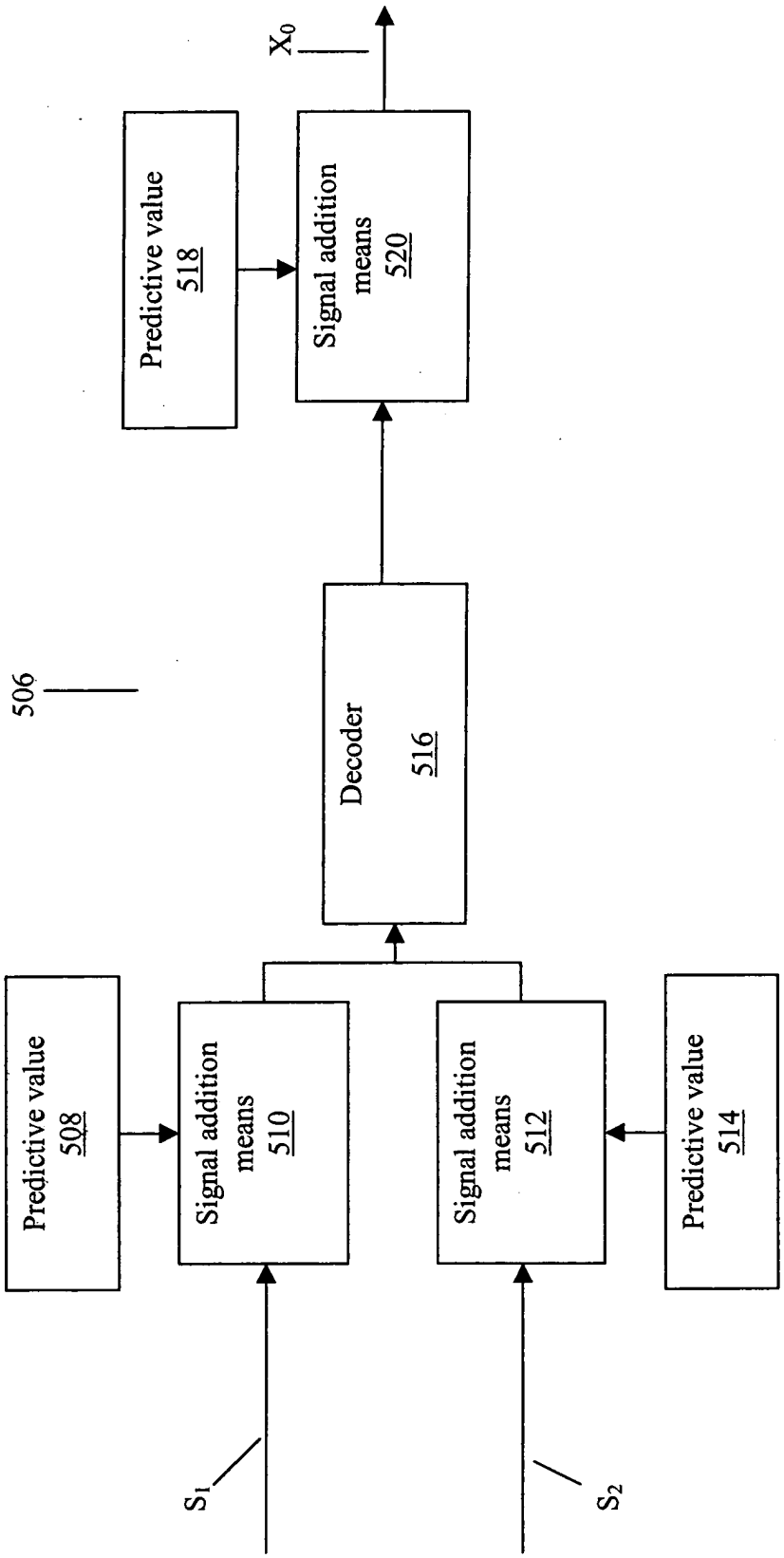

X_0
Predictive value
518
Signal addition
means
520
506
Decoder
516
Predictive value
508
Signal addition
means
510
Signal addition
means
512
Predictive value
514
S_1
S_2

Figure 5A

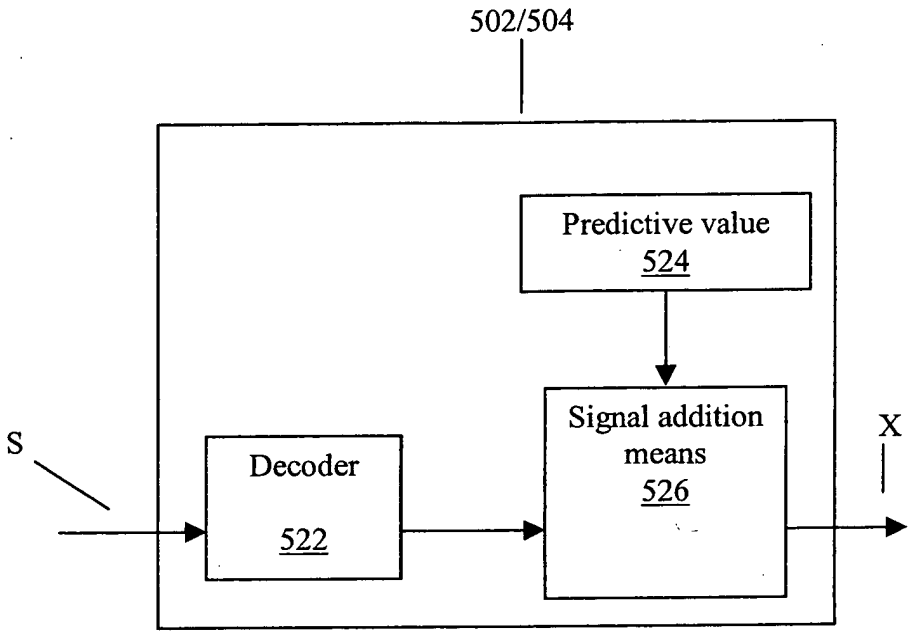

502/504
Predictive value
524
Signal addition
means
526
X
S
Decoder
522

Figure 5B

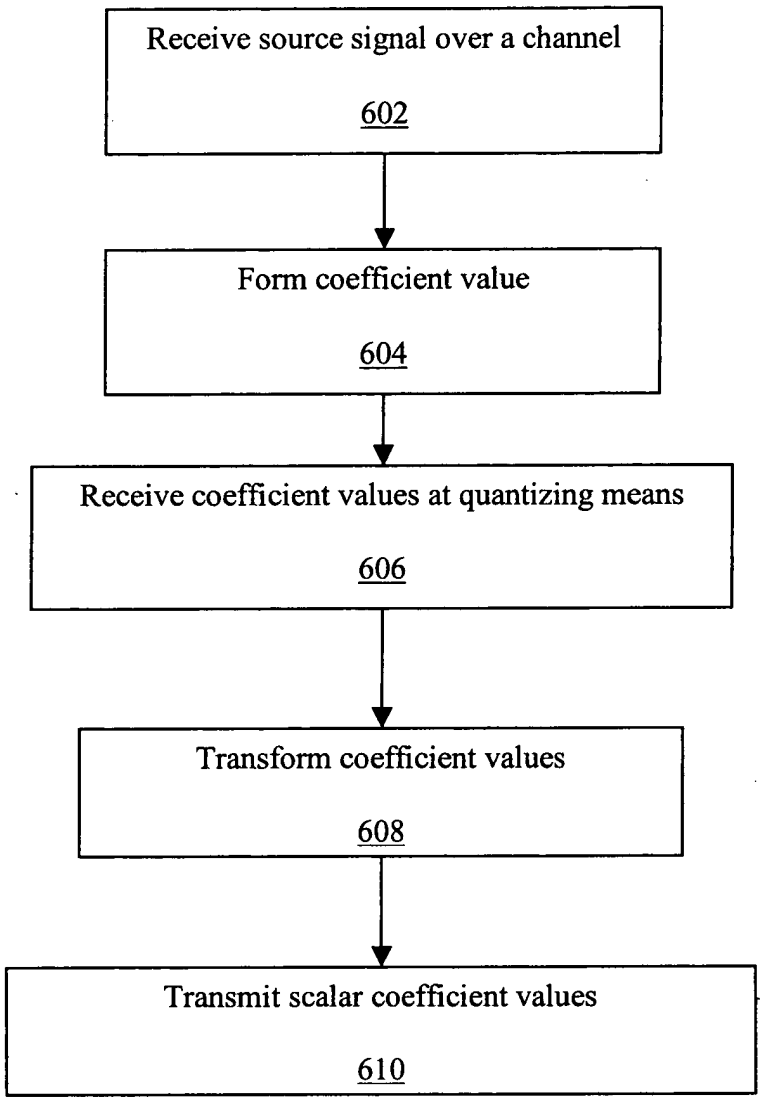

Receive source signal over a channel
602
Form coefficient value
604
Receive coefficient values at quantizing means
606
Transform coefficient values
608
Transmit scalar coefficient values
610

Figure 6

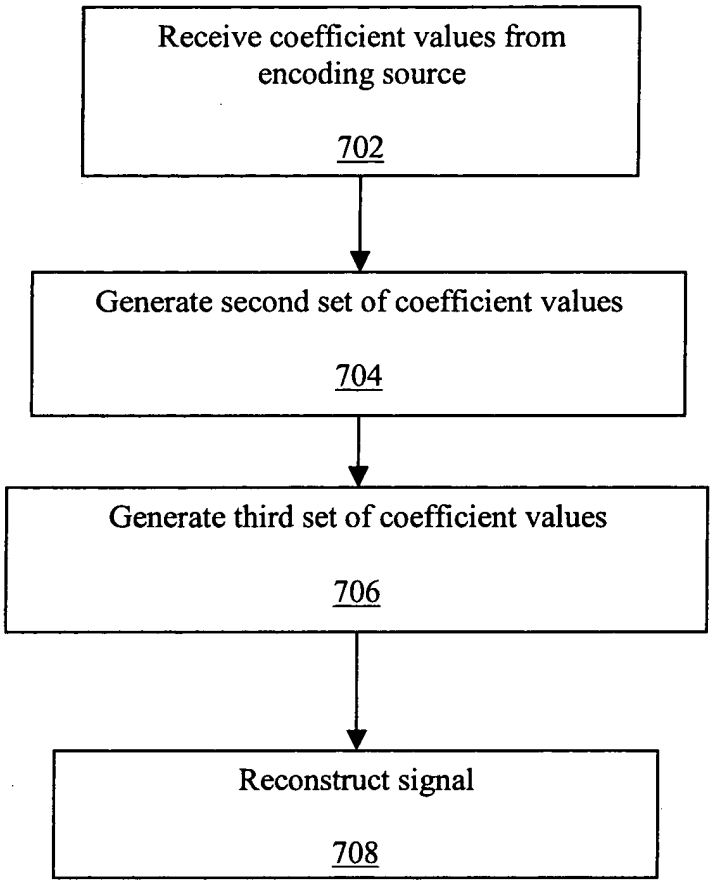

Receive coefficient values from encoding source
702
Generate second set of coefficient values
704
Generate third set of coefficient values
706
Reconstruct signal
708

Figure 7